

[Open Peer Review on Qeios](#)

3-Nitrotyrosine

National Cancer Institute

Source

National Cancer Institute. *3-Nitrotyrosine*. NCI Thesaurus. Code C126911.

A tyrosine derivative with a nitro group attached to carbon 3 on the phenyl ring that is a product of tyrosine nitration mediated by reactive nitrogen species, including peroxynitrite anion and nitrogen dioxide. 3-nitrotyrosine is a biomarker of cell damage, inflammation, and NO (nitric oxide) production; it is overproduced in many diseases where oxidative stress plays a key role.